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What Is Claimed Is:

| 1 | 1. A method for using digital signatures to validate an amendment to |
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| 2 | a financial transaction, comprising: |
| 3 | receiving a request to make the amendment to the financial transaction, |
| 4 | wherein the financial transaction was previously agreed upon between a first part |
| 5 | and a second party, wherein the request is received from a first representative of |
| 6 | the first party and includes a suggested change to at least one term of the financia |
| 7 | transaction; |
| 8 | validating that the first representative of the first party digitally signed the |
| 9 | request by using a public key of the first representative to verify that the request |
| 10 | was signed by a corresponding private key belonging to the first representative; |
| 11 | if the validation establishes that the first representative signed the request |
| 12 | and if the second party desires to agree to the request, |
| 13 | allowing a second representative of the second party to |
| 14 | confirm the request by digitally signing the request with a private |
| 15 | key belonging to the second representative, and |
| 16 | returning the confirmed request to the first party. |
| 1 | 2. The method of claim 1, further comprising, prior to confirming |
| 2 | request, validating that the first representative has permission to agree to the |
| 3 | amendment by verifying that permission information for the first representative is |
| 4 | digitally signed by a trusted entity. |
| 1 | 3. The method of claim 1, further comprising, if the validation |

establishes that the first representative signed the request, and if the second party

| 3 | does not agree to the request, but instead desires to propose counter-terms, |
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| 4 | allowing the second party to propose counter-terms by: |
| 5 | creating a responding request including a responding amendment with the |
| 6 | counter-terms; |
| 7 | allowing the second representative of the second party to digitally sign the |
| 8 | responding request with a private key belonging to the second representative; and |
| 9 | sending the signed responding request to the first party. |
| 1 | 4. The method of claim 3, further comprising: |
| 2 | validating that the second representative of the second party digitally |
| 3 | signed the responding request by using a public key of the second representative |
| 4 | to verify that the responding request was signed by a corresponding private key |
| 5 | belonging to the second representative; and |
| 6 | if the validation establishes that the second representative signed the |
| 7 | responding request, and if the first party desires to agree to the responding request, |
| 8 | allowing the first representative of the first party to confirm |
| 9 | the responding request by digitally signing the responding request |
| 10 | with a private key belonging to the first representative, and |
| 11 | returning the confirmed responding request to the second |
| 12 | party. |
| 1 | 5. The method of claim 4, further comprising, prior to allowing the |
| 2 | first representative to confirm the responding request, validating that the second |
| 3 | representative has permission to agree to the amendment by verifying that |
| 4 | permission information for the second representative is digitally signed by a |
| 5 | trusted entity. |

| 1 | 6. The method of claim 1, further comprising recording the request |
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| 2 | and any response to the request in a database. |
| | |
| 1 | 7. The method of claim 1, further comprising validating an identity of |
| 2 | the first party by using a public key of a certification authority to verify that a |
| 3 | certificate containing the public key of the first party was signed by a |
| 4 | corresponding private key belonging to the certification authority; |
| 5 | wherein the signing by the certification authority indicates that the |
| 6 | certification authority has verified the identity of the first party. |
| | |
| 1 | 8. The method of claim 1, |
| 2 | wherein receiving the request from the first party involves receiving the |
| 3 | request from a trade facilitator that previously received the request from the first |
| 4 | party; and |
| 5 | wherein returning the confirmed request to the first party involves |
| 6 | forwarding the confirmed request to the first party through the trade facilitator. |
| | |
| 1 | 9. The method of claim 1, wherein prior to receiving the request to |
| 2 | make the amendment, the method further comprises, allowing the first |
| 3 | representative of the first party to obtain permission to amend the financial |
| 4 | transaction by: |
| 5 | sending a request for permission to a first security officer associated with |
| 6 | the first party; and |
| 7 | allowing the first security officer to digitally sign a permission record to |
| 8 | indicate the first representative has permission to agree to the amendment. |

| 1 | 10. The method of claim 1, wherein the financial transaction involves |
|----|---|
| 2 | foreign exchange, and wherein a trade record for the financial transaction |
| 3 | includes: |
| 4 | a trade identifier; |
| 5 | an amend trade identifier; |
| 6 | a trade date; |
| 7 | an identifier for a first currency; |
| 8 | a first currency amount; |
| 9 | an identifier for a first organization providing the first currency; |
| 10 | an identifier for a second currency; |
| 11 | a second currency amount; and |
| 12 | an identifier for a second organization providing the second currency. |
| | |
| 1 | 11. A computer-readable storage medium storing instructions that |
| 2 | when executed by a computer cause the computer to perform a method for using |
| 3 | digital signatures to validate an amendment to a financial transaction, the method |
| 4 | comprising: |
| 5 | receiving a request to make the amendment to the financial transaction, |
| 6 | wherein the financial transaction was previously agreed upon between a first party |
| 7 | and a second party, wherein the request is received from a first representative of |
| 8 | the first party and includes a suggested change to at least one term of the financial |
| 9 | transaction; |
| 10 | validating that the first representative of the first party digitally signed the |
| 11 | request by using a public key of the first to verify that the request was signed by a |
| 12 | corresponding private key belonging to the first representative; |
| 13 | if the validation establishes that the first representative signed the request |
| 14 | and if the second party desires to agree to the request, |

| 15 | allowing a second representative of the second party to |
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| 16 | confirm the request by digitally signing the request with a private |
| 17 | key belonging to the second representative, and |
| 18 | returning the confirmed request to the first party. |
| | |
| 1 | 12. The computer-readable storage medium of claim 11, wherein prior |
| 2 | to confirming request the method further comprises, validating that the first |
| 3 | representative has permission to agree to the amendment by verifying that |
| 4 | permission information for the first representative is digitally signed by a trusted |
| 5 | entity. |
| | |
| 1 | 13. The computer-readable storage medium of claim 11, wherein if the |
| 2 | validation establishes that the first representative signed the request, and if the |
| 3 | second party does not agree to the request, but instead desires to propose counter- |
| 4 | terms, the method further comprises allowing the second party to propose counter |
| 5 | terms by: |
| 6 | creating a responding request including a responding amendment with the |
| 7 | counter-terms; |
| 8 | allowing the second representative of the second party to digitally sign the |
| 9 | responding request with a private key belonging to the second representative; and |
| 10 | sending the signed responding request to the first party. |
| | |
| 1 | 14. The computer-readable storage medium of claim 13, wherein the |
| 2 | method further comprises: |
| 3 | validating that the second representative of the second party digitally |
| 4 | signed the responding request by using a public key of the second representative |

| 5 | to verify that the responding request was signed by a corresponding private key |
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| 6 | belonging to the second representative; and |
| 7 | if the validation establishes that the second representative signed the |
| 8 | responding request, and if the first party desires to agree to the responding request, |
| 9 | allowing the first representative of the first party to confirm |
| 10 | the responding request by digitally signing the responding request |
| 11 | with a private key belonging to the first representative, and |
| 12 | returning the confirmed responding request to the second |
| 13 | party. |
| | |
| 1 | 15. The computer-readable storage medium of claim 14, wherein prior |
| 2 | to allowing the first representative to confirm the responding request, the method |
| 3 | further comprises validating that the second representative has permission to agree |
| 4 | to the amendment by verifying that permission information for the second |
| 5 | representative is digitally signed by a trusted entity. |
| | |
| 1 | 16. The computer-readable storage medium of claim 11, wherein the |
| 2 | method further comprises recording the request and any response to the request in |
| 3 | a database. |
| | |
| 1 | 17. The computer-readable storage medium of claim 11, wherein the |
| 2 | method further comprises validating an identity of the first party by using a public |
| 3 | key of a certification authority to verify that a certificate containing the public key |
| 4 | of the first party was signed by a corresponding private key belonging to the |
| 5 | certification authority; |
| 6 | wherein the signing by the certification authority indicates that the |
| 7 | certification authority has verified the identity of the first party. |

| 1 | 18. The computer-readable storage medium of claim 11, |
|----|--|
| 2 | wherein receiving the request from the first party involves receiving the |
| 3 | request from a trade facilitator that previously received the request from the first |
| 4 | party; and |
| 5 | wherein returning the confirmed request to the first party involves |
| 6 | forwarding the confirmed request to the first party through the trade facilitator. |
| 1 | 19. The computer-readable storage medium of claim 11, wherein prior |
| 2 | to receiving the request to make the amendment, the method further comprises |
| 3 | allowing the first representative of the first party to obtain permission to amend |
| 4 | the financial transaction by: |
| 5 | sending a request for permission to a first security officer associated with |
| 6 | the first party; and |
| 7 | allowing the first security officer to digitally sign a permission record to |
| 8 | indicate the first representative has permission to agree to the amendment. |
| 1 | 20. The computer-readable storage medium of claim 11, wherein the |
| 2 | financial transaction involves foreign exchange, and wherein a trade record for the |
| 3 | financial transaction includes: |
| 4 | a trade identifier; |
| 5 | an amend trade identifier; |
| 6 | a trade date; |
| 7 | an identifier for a first currency; |
| 8 | a first currency amount; |
| 9 | an identifier for a first organization providing the first currency; |
| 10 | an identifier for a second currency; |

| 1 | a second currency amount; and |
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| 2 | an identifier for a second organization providing the second currency. |
| | |
| 1 | 21. An apparatus that uses digital signatures to validate an amendment |
| 2 | to a financial transaction, comprising: |
| 3 | a receiving mechanism that is configured to receive a request to make the |
| 4 | amendment to the financial transaction, wherein the financial transaction was |
| 5 | previously agreed upon between a first party and a second party, wherein the |
| 6 | request is received from a first representative of the first party and includes a |
| 7 | suggested change to at least one term of the financial transaction; |
| 8 | a validation mechanism that is configured to validate that the first |
| 9 | representative of the first party digitally signed the request by using a public key |
| 10 | of the first representative to verify that the request was signed by a corresponding |
| 11 | private key belonging to the first representative; |
| 12 | an agreement mechanism, wherein if the validation establishes that the |
| 13 | first representative signed the request, and if the second party desires to agree to |
| 14 | the request, the agreement mechanism is configured to, |
| 15 | allow a second representative of the second party to confirm |
| 16 | the request by digitally signing the request with a private key |
| 17 | belonging to the second representative, and to |
| 18 | return the confirmed request to the first party. |
| | |
| 1 | 22. The apparatus of claim 21, further comprising, wherein prior to |
| 2 | confirming request, the validation mechanism is configured to validate that the |
| 3 | first representative has permission to agree to the amendment by verifying that |
| 4 | permission information for the first representative is digitally signed by a trusted |
| 5 | entity. |
| | |

| 1 | 23. The apparatus of claim 21, wherein if the validation establishes |
|----|--|
| 2 | that the first representative signed the request, and if the second party does not |
| 3 | agree to the request, but instead desires to propose counter-terms, the agreement |
| 4 | mechanism is configured to: |
| 5 | create a responding request including a responding amendment with the |
| 6 | counter-terms; |
| 7 | allow the second representative of the second party to digitally sign the |
| 8 | responding request with a private key belonging to the second representative; and |
| 9 | to |
| 0 | send the signed responding request to the first party. |
| | |
| 1 | 24. The apparatus of claim 23, further comprising: |
| 2 | a second validation mechanism associated with the first party; |
| 3 | wherein the second validation mechanism is configured to validate that the |
| 4 | second representative of the second party digitally signed the responding request |
| 5 | by using a public key of the second representative to verify that the responding |
| 6 | request was signed by a corresponding private key belonging to the second |
| 7 | representative; and |
| 8 | a second agreement mechanism associated with the first party; |
| 9 | wherein if the validation establishes that the second representative signed |
| 10 | the responding request, and if the first party desires to agree to the responding |
| 11 | request, the second agreement mechanism is configured to, |
| 12 | allow the first representative of the first party to confirm the |
| 13 | responding request by digitally signing the responding request with |
| 14 | a private key belonging to the first representative, and to |

| 15 | return the confirmed responding request to the second |
|----|---|
| 16 | party. |
| 1 | 25. The apparatus of claim 24, wherein prior to allowing the first |
| 2 | representative to confirm the responding request, the second validation |
| 3 | mechanism is configured to validate that the second representative has permission |
| 4 | to agree to the amendment by verifying that permission information for the second |
| 5 | representative is digitally signed by a trusted entity. |
| 1 | 26. The apparatus of claim 21, further comprising an archiving |
| 2 | mechanism that is configured to record the request and any response to the request |
| 3 | in a database. |
| 1 | 27. The apparatus of claim 21, wherein the validation mechanism is |
| 2 | configured to validate an identity of the first party by using a public key of a |
| 3 | certification authority to verify that a certificate containing the public key of the |
| 4 | first party was signed by a corresponding private key belonging to the certification |
| 5 | authority; |
| 6 | wherein the signing by the certification authority indicates that the |
| 7 | certification authority has verified the identity of the first party. |
| 1 | 28. The apparatus of claim 21, |
| 2 | wherein the receiving mechanism is configured to receive the request from |
| 3 | a trade facilitator that previously received the request from the first party; and |
| 4 | wherein the agreement mechanism is configured to return the confirmed |
| 5 | request to the first party by forwarding the confirmed request to the first party |
| 6 | through the trade facilitator. |

| 1 | 29. The apparatus of claim 21, further comprising a permission |
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| 2 | obtaining mechanism, wherein prior to receiving the request to make the |
| 3 | amendment, the permission obtaining mechanism is configured to: |
| 4 | send a request for permission to a first security officer associated with the |
| 5 | first party; and to |
| 6 | allow the first security officer to digitally sign a permission record to |
| 7 | indicate the first representative has permission to agree to the amendment. |
| | |
| 1 | 30. The apparatus of claim 21, wherein the financial transaction |
| 2 | involves foreign exchange, and wherein a trade record for the financial transaction |
| 3 | includes: |
| 4 | a trade identifier; |
| 5 | an amend trade identifier; |
| 6 | a trade date; |
| 7 | an identifier for a first currency; |
| 8 | a first currency amount; |
| 9 | an identifier for a first organization providing the first currency; |
| 10 | an identifier for a second currency; |
| 11 | a second currency amount; and |
| 12 | an identifier for a second organization providing the second currency. |